

Computational Approaches to the Analysis of Biomolecular Sequences, Structures and Their Functions and Applications to Biotechnology and Clinical Data Studies

(23 - 27 Mar 2020)

Visitor List	
Name & Affiliation	Title of Talks
Aidana Amangeldina National University of Singapore, Singapore	
Ganesh Srinivasan Anand National University of Singapore, Singapore	Whole viral particle metastability and dynamics by HDX mass spectrometry (Video)
Jothi Anantharajan Experimental Drug Development Centre - A*Star, Singapore	
Krithika Arumugam Nanyang Technological University, Singapore	
Benjamin Aw Bioinformatics Institute - A*Star, singapore	
Igor N. Berezovsky Bioinformatics Institute - A*Star, Singapore	
Farhan Bin Aidil Institute of Chemical and Engineering Sciences - A*Star, SINGAPORE	
Peter J. Bond Bioinformatics Institute - A*Star, Singapore	Multiscale modelling approaches to large systems in biology: understanding infectious diseases and the host response (Video)
Elizabeth Chia National Supercomputing Centre Singapore - A*Star, Singapore	
Kwok Pui Choi National University of Singapore, Singapore	
Jonathan Chua National University of Singapore, Singapore	

Hwa Hwa Chung Institute of Molecular and Cell Biology - A*Star, Singapore	
Vijai Anand Dharmalingam Nanyang Technological University, Singapore	
Minoli Nitin Doshi National University of Singapore, Singapore	
Frank Eisenhaber Bioinformatics Institute - A*Star, Singapore	About the limited potential, yet instrumental role of computational biology and the target identification bottleneck due to the decline in biomolecular mechanism discovery after 2000 (Video)
Samuel Gan Bioinformatics Institute - A*Star, Singapore	Antibody engineering, scientific phone apps, viral research, and device prototyping in APD lab
Gerhard Grüber Nanyang Technological University, Singapore	Amino acid sequence insertions or deletions inside Mycobacterium tuberculosis's respiratory complexes provide fitness for the pathogen and new pathways for TB-drug development
Xiaoyun Guan Bioinformatics Institute - A*Star, Singapore	
Carrie Hanae National University of Singapore, Singapore	
Yossa Dwi Hartono National University of Singapore, Singapore	
Mindia Adinda Sari Haryono National University of Singapore, Singapore	
Shin Yee Hong Experimental Drug Development Centre - A*Star, Singapore	
Mohammad Neamul Kabir National University of Singapore, Singapore	
Shruti Khare Bioinformatics Institute - A*Star, Singapore	
Edwin Khoo Institute for Infocomm Research - A*Star, Singapore	
Darius Koh Bioinformatics Institute - A*Star, Singapore	
Kaicheng Liang Bioinformatics Institute - A*Star, Singapore	Tutorial: Computational imaging with deep learning: biomedical focus (Video)

Chek Shik Lim Experimental Drug Development Centre - A*Star, Singapore	
Chun Teck Lim Bioinformatics Institute - A*Star, Singapore	
Fu Lin Biotransformation Innovation Platform - A*Star, Singapore	
Hongwan Liu Princeton University and New York University, Singapore	
Alexander Lyubartsev Stockholm University, Sweden	Multiscale modeling of macromolecular systems by structure-based coarse-graining (Video)
Nagarajan Mallika National University of Singapore, Singapore	
Zhenyu Meng Nanyang Technological University, Singapore	
Suriya Narayanan Murugesan National University of Singapore, Singapore	
Marek Mutwil Nanyang Technological University, Singapore	Evolutionary lessons learned from transcriptome data (Video)
Ashwin Nelanuthala National University of Singapore, Singapore	
Jonathan Ng Nanyang Technological University, Singapore	
Justin Ng Nanyang Technological University, Singapore	
Lars Nordenskiöld Nanyang Technological University, Singapore	
Mahsa Paknezhad Bioinformatics Institute - A*Star, Singapore	Tutorial: Reinforcement learning and its biomedical applications (Video)
Venkata Raghuvamsi Palur National University of Singapore, Singapore	
Konstantin Pervushin Nanyang Technological University, Singapore	Abeta chaperones in Alzheimer's disease: friends or foes? (Video)

Jia Min Phang Institute of High Performance Computing - A*Star, Singapore	
Jun Jie Poh Bioinformatics Institute - A*Star, Singapore	
Leyla Ranjbari University of Tunku Abdul Rahman, City Campus, Malaysia	
Tsz Wing Sam National University of Singapore, Singapore	
Firdaus Samsudin Bioinformatics Institute - A*Star, Singapore	To bind or not to bind: IgM versus IgG in Pertuzumab and Trastuzumab
Amartya Sanyal Nanyang Technological University, Singapore	3D genome: from organization to function
Swati Sinha Bioinformatics Institute - A*Star, Singapore	Discovery of an antifungal compound BII-Rafflesfungin: a computational perspective
Chinh Tran-To Su Bioinformatics Institute - A*Star, Singapore	A holistic view of proteins: impact on antibody engineering and drug discovery
Manu Suvarna National University of Singapore, Singapore	
Shayonendra Tagore National University of Singapore, Singapore	
Zhen Wah Tan Bioinformatics Institute - A*Star, Singapore	Tutorial: Modeling allostery: global protein structural changes in response to local perturbations (Video) Tutorial: Capturing communities in diffusive chromatin polymers via Markov state modeling and transition path theory (Video)
Sarala Tantirimudalige National University of Singapore, Singapore	
Wei Ven Tee Bioinformatics Institute - A*Star, Singapore	
Edmund Chun Ming Tse University of Hong Kong, China	

Nikhil Tulsian National University of Singapore, Singapore	
Varun Venkatakrisnan National University of Singapore, Singapore	
Lili Wang National University of Singapore, Singapore	
Jun Jie Wee Nanyang Technological University, Singapore	
Rohan Williams National University of Singapore, Singapore	Sequence similarity networks: a working model for defining the 'known-unknowns' of gene function in microbiomes
Han Teng Wong Institute of Bioengineering and Nanotechnology - A*STAR, Singapore	
Lim Soon Wong National University of Singapore, Singapore	A genome assembly quality assessment measure that integrates contiguity, completeness, and correctness
Yuezhen Xue p53Lab - A*Star, Singapore	
Shilpa Yadahalli Bioinformatics Institute - A*Star, Singapore	
Thai Yap Experimental Drug Development Centre - A*Star, Singapore	
Joshua Yi Yeo Bioinformatics Institute - A*Star, Singapore	
Melvin Yin Bioinformatics Institute - A*Star, Singapore	
Xin Ee Yong National University of Singapore, Singapore	